GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO:2007
ANSWERED ON:28.07.2016
Generation of Electricity
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Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the quantum of electricity generated, using wind and solar sources in the country at present;
(b) the details of the Union Government''s schemes/projects to promote generation of wind and solar energy in the country and the achievements made during the last two years, State/UTwise;
(c) the number of projects under construction in these two fields, State-wise;
(d) the estimate of electricity generated through solar energy which was purchased by companies for captive consumption; and
(e) the electricity to be generated by wind and solar stations during this year?

Answer

MINISTER OF STATE FOR POWER, COAL , NEW & RENEWABLE ENERGY & MINES (SHRI PIYUSH GOYAL)

(a): As per information received from the Central Electricity Authority (CEA), the quantum of electricity generated during 2015-16 through Wind and Solar sources was 33029.39 MU and 7447.92 MU respectively.
(b): The details of Schemes to promote generation of energy from Solar and Wind are as follows:
(i) Scheme for Development of Solar Parks and Ultra Mega Solar Power Projects.
(ii) Scheme for Development of Solar PV Power Plants on Canal Banks/ Canal Tops.
(iii) Scheme for setting up 300 MW of Grid connected Solar PV Power Projects by Defence Establishments under Ministry of Defense and Para Military Forces with Viability Gap Funding (VGF) under Batch-IV of Phase-II/III of JNNSM. (Jawharlal Nehru National Solar Mission)
(iv) Scheme of setting up 1000 MW of Grid- Connected Solar PV Power Projects by CPSUs with VGF under Batch-V of Phase-II of JNNSM.
(v) Scheme for Setting up of 15000 MW of Grid connected Solar PV Power Projects under Batch II of Phase II of National Solar Mission (by NTPC/NVVN).
(vi) Setting up of 2000 MW Grid connected solar power with VGF through Solar Energy Corporation of India (SECI).
(vii) Generation based incentive scheme for promotion of wind power.
During last two years i.e. 2014-15 and 2015-16, a total capacity of 5735 MW and 4131 MW have been installed for wind and solar energy respectively. State / UT wise details of the installed capacity under wind and Solar Power is given in the Annexure.
(c): Tenders of 20766 MW Solar Power projects have been issued. The details are given below :
PPA signed : 8482 MW
Lol issued : 3392 MW
Financial Bid opened : 1930 MW
Tenders Floated (in process) : 6962 MW
The wind power projects are mainly developed by private sector under various modes including PPA, REC, captive use, third party sale etc. No Union Government project is under construction in wind energy sector.
(d): A total of 315 MW have been installed under Solar Roof top Scheme. Power generated from these projects is being used for both domestic and captive use.
(e): A capacity addition target of 4000 MW and 12000 MW has been proposed for generation of electricity by wind and solar respectively during 2016-17.
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